

INFORMATION DISCLOSURE CITATION

Atty. Docket No. Serial No. 58332/JPW/EMW/APE 09/333,809

Nicole Suciu-Foca

	(Use	sev	eral	shee	ts if necess	ary)	Filing Date June 15,		Group Ai Unknov	
						U.S. P.	ATENT DOCUMENT	rs			
Examiner nitial		Docum	nent i	Numi	ber	Date	Name	Class	Subclass	Filing Da if Approp	
											£
	\mathbf{I}										
									<u> </u>		
			$oldsymbol{ol}}}}}}}}}}}}}}}}}}$							<u> </u>	
	$\perp \perp$		$oldsymbol{\perp}$								
		\perp	┷	<u> </u>						1	
	$\downarrow \downarrow$	\perp	$oldsymbol{ol}}}}}}}}}}}}}}}}}$	<u> </u>					· ·		
	$\perp \perp$		↓_	<u> </u>		<u> </u>				ļ	
	++		↓_	<u> </u>						-	
				<u> </u>					1	<u> </u>	
	•						N PATENT DOCUMI				
	D	ocum	ent	Nun	nber	Date	Country	Class	Subclass		nslation
	+ -	т-		1					-	Yes	No
	++		-	├		 			 	 	···
	+	+	╁	┢					+	-	-,
	++	╬	╁╾	╁					 	1	
	+++		╁	╁	 	 				1	
		OT	HER	R DO	CUM	ENTS (Inclu	ding Author, Title, D	ate, Pertine	nt Pages, Etc.)		
	Ban					·····	(1998) "Dendritic			immuni	ty,"
MB						(Exhibit 1	<u> </u>			-	· .
1	—					<u> </u>		lavell R	A Miller I	and He	eath W
	Bennett, S. R. M., Carbone, F. R., Karamalis, F., Flavell, R. A., Miller, J., and Heath, W F (1998) "Help for cytotoxic-T-cell responses is mediated by CD40 signaling," <i>Nature</i>										
					Exhib		<u> </u>				
MB			<u> </u>	. _		- , .		•			
EXAMINER		10	-			DATE CON	SIDERED 8	118/0	5		

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1 S. Department of Commerce Atty. Docket No. Serial No. 09/333,809 58332/JPW/EMW/APE Patent and Trademark Office Applicant Nicole Suciu-Foca INFORMATION DISCLOSURE CITATION Filing Date Group Art Unit (Use several sheets if necessary) June 15, 1999 Unknown U.S. PATENT DOCUMENTS Date Subclass Class Examiner Document Number Name Filing Date Initial if Appropriate FOREIGN PATENT DOCUMENTS **Document Number** Date Country Class Subclass **Translation** Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Barker, T. D., Weisman, D., Daucher, J. A., Roche, K. M., and Fauci, A. S. (1996) MB 'Identification of multiple and distinct CD8+ T cell supressor activities: Dichotomy

Barker, T. D., Weisman, D., Daucher, J. A., Roche, K. M., and Fauci, A. S. (1996)

"Identification of multiple and distinct CD8+ T cell supressor activities: Dichotomy

between infected and uninfected individuals, evolution with progression of disease and sensitivity to gamma radiation," J. Immunol. 156:4476-4483. (Exhibit 3).

Ciubotariu, R., Colovai, A. I., Pennesi, G., Liu, Z., Smith, D., Berlocco, P., Cortesini, R., Suciu-Foca, N. (1998) "Specific supression of human CD4+ Th cell responses to pig

EXAMINER

DATE CONSIDERED

8/18/05

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUL 0 6 7005 E

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Atty. Docket No. Serial No. 58332/JPW/EMW/APE 09/333,809

Applicant

Nicole Suciu-Foca

Filing Date

Group Art Unit Unknown

								June 15,	1999	Unknow	/m	
						U.S. F	PATENT DOCUMEN	TS				
	D	ocum	ent N	Numl	ber	Date	Name	Class	Subclass	Filing Date if Appropriate		
	•											
<u> </u>		Ш								·		
\perp	\perp				ot							
\perp	\bot					<u> </u>				<u> </u>		
_	_	L			\sqcup	<u> </u>				ļ		
_		\sqcup	\sqcup				ļ	· ·		ļ		
-	<u>.</u>	-			\vdash	 						
	+	 —	_						·			
-	+-		\vdash	\vdash			<u> </u>		-	 		
\dashv		-					ļ			 		
						FOREIG	N PATENT DOCUM	ENTS		<u> </u>		
Т	Doc	ume	ent l	Nun	ber	Date		Class	Subclass	Tra	nslation	
.										Yes N		
									<u> </u>			
				ns t	y Cl	D8+CD28-	regulatory T cells,"	' J. Immun	o. 161(10) :51	93-5202	•	
—}`			<u> </u>							,,		
D	aml	e, N	. K	, N	Moha	gheghpour,	N., Hansen, J. A.,	and Engler	man, E. G. (1	993)		
٠,	Allo	antig	gen	-spe	ecific	cytotoxic	and supressor T lyr	nphocytes a	are derived fr	om		
p.	heno	typi	cal	ly c	listin	ct precurso	rs," <i>J. Immunol</i> . 13	1:2296-230	00. (Exhibit :	5).		
Γ			,									
	1	_5	-			DATE CO	NSIDERED Ø	10/00				
	(] D ",'	Doc MHC (Exhi Damle "Allos	Docume OTH MHC ant (Exhibit Damle, N "Alloantip phenotypi	Document I OTHER MHC antiger (Exhibit 4). Damle, N. K "Alloantigen phenotypical	OTHER DO MHC antigens to (Exhibit 4). Damle, N. K., M. "Alloantigen-spe	MHC antigens by Cl (Exhibit 4). Damle, N. K., Moha "Alloantigen-specific phenotypically distin	Pocument Number FOREIG Document Number Date OTHER DOCUMENTS (Included in the control of the	FOREIGN PATENT DOCUM Document Number Date Country OTHER DOCUMENTS (Including Author, Title, E MHC antigens by CD8+CD28- regulatory T cells,' (Exhibit 4). Damle, N. K., Mohagheghpour, N., Hansen, J. A., "Alloantigen-specific cytotoxic and supressor T lyr phenotypically distinct precursors," J. Immunol. 13	FOREIGN PATENT DOCUMENTS Document Number Date Country Class OTHER DOCUMENTS (Including Author, Title, Date, Pertiner MHC antigens by CD8+CD28- regulatory T cells," J. Immuno. (Exhibit 4). Damle, N. K., Mohagheghpour, N., Hansen, J. A., and Engler "Alloantigen-specific cytotoxic and supressor T lymphocytes aphenotypically distinct precursors," J. Immunol. 131:2296-230	FOREIGN PATENT DOCUMENTS Document Number Date Country Class Subclass OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MHC antigens by CD8+CD28- regulatory T cells," J. Immuno. 161(10):51 (Exhibit 4). Damle, N. K., Mohagheghpour, N., Hansen, J. A., and Engleman, E. G. (1 "Alloantigen-specific cytotoxic and supressor T lymphocytes are derived frephenotypically distinct precursors," J. Immunol. 131:2296-2300. (Exhibit 5)	FOREIGN PATENT DOCUMENTS Document Number Date FOREIGN PATENT DOCUMENTS Document Number Date Country Class Subclass Trailyes Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) MHC antigens by CD8+CD28- regulatory T cells," J. Immuno. 161(10):5193-5202 (Exhibit 4). Damle, N. K., Mohagheghpour, N., Hansen, J. A., and Engleman, E. G. (1993) "Alloantigen-specific cytotoxic and supressor T lymphocytes are derived from phenotypically distinct precursors," J. Immunol. 131:2296-2300. (Exhibit 5).	

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in

		JU	. 0	6 2		2							••		
Form P	rd;	144	9	000	RIA.	Ĭ				t of Commerce demark Office	Atty. Doc 58332/JP	ket No. W/EMW/APE	Serial No. 09/333,8		
					rio					CITATION	Applicant Nicole St	ıciu-Foca			
									s if necess	- -	Filing Date June 15,		Group Art Unit Unknown		
									U.S. P.	ATENT DOCUMENT	ΓS				
Examiner Initial			Do	cum	ent l	Num	ber		Date	Name	Class	Subclass	Filing Date if Appropr		
										·	•				
								<u> </u>				·			
,															
					L.										
						L									
	<u> </u>														
		<u> </u>		L				L							
						,			FOREIGN	N PATENT DOCUM	ENTS				
			Doc	um	ent	Nur	nbei	r	Date	Country	Class	Subclass	Tran	slation	
				<u></u>									Yes	No	
		$oldsymbol{ol}}}}}}}}}}}}}}}}}}}$		<u> </u>		L	$oxed{oxed}$	<u> </u>		<u> </u>					
	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>									
				L											
	<u> </u>	<u> </u>	_	<u> </u>	L			L.,							
	L				<u> </u>					<u> </u>	<u> </u>	1,			
	·	,		OTH	IER	DO	ocu	MI	ENTS (Inclu	ding Author, Title, D	ate, Pertinei	nt Pages, Etc.)			
14.0		Gr	oux	, H	., (D 'G	arra	a, <i>A</i>	A., Bigler,	M., Rouleau, M., A	Antonenko,	S., de Vires,	J. E., ar	nd	
MK	1	<u></u>		1			~ ′	100	27) ((A OD	4 . 70 11 1	1 *1 *				

Roncarolo, M. G. (1997) "A CD4+ T-cell subset inhibits antigen-specific T-cell responses and prevents colitis," Nature 389:737-742. (Exhibit 6). Jiang S., Tugulea, S., Pennesi, G., Liu, Z., Mulder, A., Lederman, S., Harris, P., MB Cortesini, R., and Suciu-Foca, N. (1998) "Induction of MHC-class I restricted human

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1015	F. ACS
THE O	6 2005
For Pi	PADE 19

INFORMATION DISCLOSURE CITATION

Atty. Docket No. Serial No. 58332/JPW/EMW/APE |09/333,809

Applicant (

Nicole Suciu-Foca

Filing Date

	(Use	sev	eral	shee	ts if necess:	ary)	Filing Date June 15,			
						U.S. PA	TENT DOCUMENT	rs		•	
Examiner nitial		Docum	nent l	Numt	ber	Date	Name	Class	Subclass	1 -	
	11								<u> </u>	Subclass Filing Date if Appropris	
	1:1		<u> </u>	Ш		·				<u> </u>	
	\perp	\perp		Ш		<u> </u>	•		<u> </u>		
	\perp		1_							<u> </u>	
			_						<u>.</u>		
	$\bot \bot$										-
		\bot		Ш							
		\perp				·					
	$\perp \perp$		<u> </u>				·				
						<u> </u>					
						FOREIGN	PATENT DOCUMI	ENTS			•
	D	ocum	ent l	Nun	ber	Date	Country	Class	Subclass	Tra	nslation
	<u>. </u>						·			Yes	No
		OT	HER	DO	CUM	ENTS (Includ	ling Author, Title, D	ate, Pertinei	nt Pages, Etc.)		
	supr	esso	T	cell	s by p	eptide prim	ing in vitro. Hum.	Immunol.	59 :690-699.	(Exhibi	it 7).
MK						•	-				
	Lani	er, L	L	., 0	'Fallo	on, S., Somo	oza, C., Philips, J.	H., Linsey	, P. S., Okur	nura. K.	
											·
						 `	tokine production				
KB	<u> </u>					05. (Exhibi		mine Boilet	- OI CIL	,	
XAMINER	<u> </u>			127	.,,,,,,,	DATE CONS		1. /			
AAMIINEK		7	}	-		DATE CONS	DIDEKED 🕏	18/05			

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in

	O P	G	
Form PTO	PA PA	EN FILE	U Pa
IN	IFORMA (Use	TION sever	

Atty. Docket No. 58332/JPW/EMW/APE 09/333,809

Serial No.

Applicant

m	NFOI	RMA	TIC	N	DISC	LOSURE O	CITATION	Nicole S	iciu-Foca							
						ets if necess		June 15, 1999 Unkn Class Subclass Filing if Appl Chass Subclass T Class Subclass T								
	., .					U.S. PA	TENT DOCUMEN	TS								
xaminer nitial		Docu	ment	Num	ber	Date	Name	Class	Subclass		Filing Date if Appropriate					
							Filing Date June 15, 1999 S.S. PATENT DOCUMENTS Name Class Subclass Filing Date if Appropriate Filing Date if Appropriate Class Subclass Filing Date if Appropriate Filing Date if Appropriate Class Subclass Translation Yes No Class Including Author, Title, Date, Pertinent Pages, Etc.) ini, R., Suciu-Foca, N. (1998) "Specific suppression of T -MHC class I-restricted CD8+CD28- T cells," 3. (Exhibit 9).									
							-									
								·								
	1															
		—					i									
								:								
			\top	T					T							
	1		1					-	 	· · · · · ·	· ·					
			<u> </u>	-	1	FOREIGN	PATENT DOCUM	ENTS								
]]	Docur	nent	Nun	nber	Date	Country	Class	Subclass	Tra	nslation					
				•					Yes							
	7		\top													
			\top													
			1													
···········		ro	HER	l DO	CUM	ENTS (Includ	ling Author, Title, D	Date, Pertine	nt Pages, Etc.)							
	Liu	, Z.,	Tug	ule	a, S.,	Cortesini, R	., Suciu-Foca, N.	(1998) "Sr	ecific suppre	ssion of	T					
MB	<u> </u>						<u></u>	<u> </u>								
																
	1741.	4//6//			0(0).7	73-763. (E2	Bible 7).		.=							
	Lombardi, G., Sidhu, S., Batchelor, R., Lechler, R. (1994) "Anergic T cells as supressor															
MB											ressor					
	cell	s in	yitro)," <u>.</u>	Scienc	e 264: 1587	-1589. (Exhibit 1	0).	.							
XAMINER		[n	5			DATE CONS	SIDERED	8/18/	25							
		118	_						-							

•	\0 .			7	3)
	M	0	6	2005	25
or	PT	O	-1	449	y
	W	П	Δ		

INFORMATION DISCLOSURE CITATION

conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No. Serial No. 58332/JPW/EMW/APE 09/333,809

Applicant

Nicole Suciu-Foca

					eets if neces		Filing Date June 15,		Group Au Unknov			
					U.S. P	ATENT DOCUMEN	TS					
xaminer nitial		Docum	ent N	umber · ·	Date	Name	Class	Subclass	Filing Da			
			\sqcup			<u> </u>						
		_		\Box			<u> </u>	·				
			\sqcup					ļ	· .			
	1-1-								<u> </u>			
<u> </u>	11									4		
	4-1								<u> </u>			
	$\bot \bot$	1						·	ļ			
			\sqcup									
	11					<u> </u>						
						N PATENT DOCUM		<u>, </u>				
	D	ocum(ent N	lumber	Date	Country	Class	Subclass	 	nslation		
	1.	_	1 1			-			Yes	No		
	+		\vdash	+				<u> </u>	 			
	++			\dashv	 							
	++	┼	\vdash	-				 :	1	·		
	++	+	\vdash	-				 				
l	1	OTL	IED	DOCU	MENTS (Inch.	ding Author, Title, D	Data Bartina	A Pages Fac	1 1			
	Nichi					H. (1998) "Supre			soo bir C	פרזי		
MB					<u> </u>	<u> </u>				٥٥		
/1/-					· · · · · · · · · · · · · · · · · · ·	lls stimulates CD8		ession of 1 ne	iper 2			
MU	Resp	onse	s," <i>J</i>	. Imm	unol. 160:55	56-571. (Exhibit 1	1).					
	Qin,	S., (Cobb	old, S	P., Pope, H	I., Elliott, J., Kious	ssis, D., Da	vies, J., and	Waldma	n, H.		
MB	(199	3) "'	Infe	ctious'	transplantat	ion tolerance," Scie	ence 259 :97	4-977. (Exhi	bit 12).			
XAMINER	(1993) "'Infectious' transplantation tolerance," Science 259:974-977. (Exhibit 12). DATE CONSIDERED Q/Q											

	JUL	0 6	2005	it 9
Form PTO	W.	RAD	THE REAL PROPERTY.	

Atty. Docket No. Serial No. 58332/JPW/EMW/APE 09/333,809

Applicant

					LOSURE C					
			erai	shee	ts if necessa		Class Subclass ENTS Class Subclass ate, Pertinent Pages, Etc. "A conditioned dendring the subclass of the		, -	
					U.S. PA	TENT DOCUMEN	TS			
	Docu	ment	Numb	er	Date ·	Name	Class	Subclass Filing Date if Appropriate Subclass Transla Yes		
		L		·		·				
\bot										
\perp										
		1	·							
		↓_	<u> </u>							
+	_	<u> </u>		$\sqcup \bot$	<u> </u>					
+	\bot	\bot	<u> </u>	<u> </u>	<u> </u>					
		\bot	ļ	$\sqcup \bot$		•		<u>- </u>	<u> </u>	
++	+	-			 			.		
				<u>L</u>	TOP TICK				<u> </u>	
	0000	nont.	Num	bor	TT			Subaloss	T	
"	ocui.	ncat.		Dei		Country	Class	Subciass		No
+	$\neg \Gamma$	Т							120	
1	+-	†	t		 			 	1 1	
	\top	+-	\Box		 			 		
11	\top	+			† <u>-</u>				 	
11	_	1						†	† 	
	ОТ	HER	DO	CUM	ENTS (Includ	ing Author, Title, D	ate, Pertinei	nt Pages, Etc.)	<u> </u>	
Rid	ge, J	. P.,	Di	Rosa	, F., and Ma	tzinger, P. (1998)	"A condit	ioned dendrit	ic cell ca	an
be a	tem	рога	al br	idge	between a C	D4+ T-helper cel	ll and a T-k	ciller cell." N	ature	
					 		· · · · · · · · · · · · · · · · · · ·			
			. (
		 -								tes
is m	edia	ted	by C	D40	-CD40L inte	ractions," Nature	393:480-48	83. (Exhibit	14).	
	//	81	·	_	DATE CONS		118/2	_		
	Ridg be a 393	OT Ridge, J be a tem 393:474	OTHER Ridge, J. P., be a tempore 393:474-478 Schoenberge	OTHER DO Ridge, J. P., Di be a temporal br 393:474-478. (E	Ridge, J. P., Di Rosa be a temporal bridge 393:474-478. (Exhibitation of the control of the cont	OTHER DOCUMENTS (Include Ridge, J. P., Di Rosa, F., and Marbe a temporal bridge between a Casta Sassana Schoenberger, S. P., Toes, R. E. is mediated by CD40-CD40L interest.	OTHER DOCUMENTS (Including Author, Title, D Ridge, J. P., Di Rosa, F., and Matzinger, P. (1998) be a temporal bridge between a CD4+ T-helper cel 393:474-478. (Exhibit 13).	OTHER DOCUMENTS (Including Author, Title, Date, Pertiner Ridge, J. P., Di Rosa, F., and Matzinger, P. (1998) "A condit be a temporal bridge between a CD4+ T-helper cell and a T-la 393:474-478. (Exhibit 13). Schoenberger, S. P., Toes, R. E. M., (1998) "T-cell help for consistent by CD40-CD40L interactions," Nature 393:480-41	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Ridge, J. P., Di Rosa, F., and Matzinger, P. (1998) "A conditioned dendrit be a temporal bridge between a CD4+ T-helper cell and a T-killer cell," N 393:474-478. (Exhibit 13). Schoenberger, S. P., Toes, R. E. M., (1998) "T-cell help for cytotoxic T ly is mediated by CD40-CD40L interactions," Nature 393:480-483. (Exhibit	FOREIGN PATENT DOCUMENTS Document Number Date Country Class Subclass Trailyes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Ridge, J. P., Di Rosa, F., and Matzinger, P. (1998) "A conditioned dendritic cell of the a temporal bridge between a CD4+ T-helper cell and a T-killer cell," Nature 393:474-478. (Exhibit 13). Schoenberger, S. P., Toes, R. E. M., (1998) "T-cell help for cytotoxic T lymphocy is mediated by CD40-CD40L interactions," Nature 393:480-483. (Exhibit 14).

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in

Form PTO-

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

Atty. Docket No. Serial No. 58332/JPW/EMW/APE 09/333,809

Applicant

Nicole Suciu-Foca

Filing Date

Group Art Unit

(Use several sheets if necessary) June 15, 1999 Unknown **U.S. PATENT DOCUMENTS** Class Subclass Filing Date Document Number Name Examiner if Appropriate Initial FOREIGN PATENT DOCUMENTS Class Subclass Translation ' **Document Number** Date Country Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Swartz, R. H. (1992) "Costimulation of T lymphocytes: The role of CD28, CTLA-4, and NB B7/BB1 in interleuken-2 production and immunotherapy," Cell 71:1065-1068. (Exhibit 15) Tan, P., Anasetti, C., Hansen, J. A., Melrose, J., Brunvard, M., Bradshaw, J., Ledbetter, J. A., and Linsey, P. S. (1993) "Induction of alloantigen-specific hyporesponsiveness in human T lymphocytes by blocking interaction of CD28 with MB its natural ligand B7/BB1," J. Exp. Med. 177:165-173. (Exhibit 16). DATE CONSIDERED EXAMINER EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in

	1	O			7	ટ\
		JUL	0	6	2005	S 301
n	P	9-14	14	9		y

SIPE"

Forn TRADE

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE CITATION

conformance and not considered. Include copy of this form with next communication to applicant.

Atty. Docket No. 58332/JPW/EMW/APE

Serial No. 09/333,809

Applicant

Nicole Suciu-Foca

	(Use several sheets if necessary)								Filing Date June 15, 1999		Group Art Unit Unknown	
			•			U.S.	PATENT DOCUMEN	TS				
xaminer nitial	Document Number					Date	Name	Class	Subclass	Filing Date if Appropriate		
	$\perp \perp$						<u> </u>	·				
	$\perp \perp$									·		
			<u> </u>		l l							
		·						[
								,				
						FOREIG	N PATENT DOCUM	ENTS				
	Document Number			nber	Date Country	Class	Subclass	Translation				
	 									Yes	No	
	1-1-	_	<u> </u>	_			<u> </u>		<u> </u>			
	1-1	┼				ļ		_	- 	-		
	++-			_	 -	<u> </u>						
	+-+	-	<u> </u>	_			·			1		
	للل			Щ		1			<u> </u>	L		
 	T						uding Author, Title, D					
	Yang, Y., Wilson, J. M. (1996) "CD40 ligand-dependant T cell activation: Requirement											
MB	of B7-CD28 signaling through CD40," Science 273:1862-1864. (Exhibit 17).											
								<u> </u>				
					-		······································					
		-		-								
			1			 -						
XAMINER		/	/			DATE CO	NSIDERED		/			
			5 L			1		8/18	105			